BLAST RESULTS 4-1

Wed Nov 21 09:16:51 2001 [BLASTN 2.2.1 [Jul-12-2001], NCBI]
Repeats masked (see summary below)
/home/ruby/va/Molbio/carpenda/tempblast/ss.DNA59820 (2988 bp)

	Sequences producing High-scoring Segment Pairs:	Frame	Score	Match	Pct	E-val
1	P_AAZ65074 Membrane-bound protein PRO1281 encoding	+	2988	2988	100	0.0
2	P_AAF44220 Human PRO1281 (UNQ651) nucleotide sequen	+	2988	2988	100	0.0
3	P_AAC58388 Human PRO1281 nucleotide sequence SEQ ID	+	2980	2987	100	0.0
4	P_AAC69800 Human breast tumour antigen coding seque	+	2487	2502	100	0.0

>1 P_AAZ65074 Membrane-bound protein PRO1281 encoding cDNA. (2988 bp) [1 seg]
Score = 2988 (5923 bits), Expect = 0.0
Identities = 2988/2988 (100%), at 1,1-2988,2988, Strand +/+

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ss.DNA59820      1
GCCGAGCGCAAGAACCCTGCGCAGCCCAGAGCAGCTGCTGGAGGGGAATCGAGGCGCGGC

************************************************************
P_AAZ65074       1
GCCGAGCGCAAGAACCCTGCGCAGCCCAGAGCAGCTGCTGGAGGGGAATCGAGGCGCGGC

ss.DNA59820     61
TCCGGGGATTCGGCTCGGGCCGCTGGCTCTGCTCTGCGGGGAGGGAGCGGGCCCGCCCGC

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P_AAZ65074      61
TCCGGGGATTCGGCTCGGGCCGCTGGCTCTGCTCTGCGGGGAGGGAGCGGGCCCGCCCGC

ss.DNA59820    121
GGGGCCCGAGCCCTCCGGATCCGCCCCCTCCCCGGTCCCGCCCCCTCGGAGACTCCTCTG

************************************************************
P_AAZ65074     121
GGGGCCCGAGCCCTCCGGATCCGCCCCCTCCCCGGTCCCGCCCCCTCGGAGACTCCTCTG

ss.DNA59820    181
GCTGCTCTGGGGGTTCGCCGGGGCCGGGGACCCGCGGTCCGGGCGCCATGCGGGCATCGC

************************************************************
P_AAZ65074     181
GCTGCTCTGGGGGTTCGCCGGGGCCGGGGACCCGCGGTCCGGGCGCCATGCGGGCATCGC

ss.DNA59820    241
TGCTGCTGTCGGTGCTGCGGCCCGCAGGGCCCGTGGCCGTGGGCATCTCCCTGGGCTTCA

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P_AAZ65074     241
TGCTGCTGTCGGTGCTGCGGCCCGCAGGGCCCGTGGCCGTGGGCATCTCCCTGGGCTTCA

ss.DNA59820    301
CCCTGAGCCTGCTCAGCGTCACCTGGGTGGAGGAGCCGTGCGGCCCAGGCCCGCCCCAAC
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BLAST RESULTS A2

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************************************************************
P_AAZ65074     301
CCCTGAGCCTGCTCAGCGTCACCTGGGTGGAGGAGCCGTGCGGCCCAGGCCCGCCCCAAC

ss.DNA59820    361
CTGGAGACTCTGAGCTGCCGCCGCGCGGCAACACCAACGCGGCGCGCCGGCCCAACTCGG

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P_AAZ65074     361
CTGGAGACTCTGAGCTGCCGCCGCGCGGCAACACCAACGCGGCGCGCCGGCCCAACTCGG

ss.DNA59820    421
TGCAGCCCGGAGCGGAGCGCGAGAAGCCCGGGGCCGGCGAAGGCGCCGGGGAGAATTGGG

************************************************************
P_AAZ65074     421
TGCAGCCCGGAGCGGAGCGCGAGAAGCCCGGGGCCGGCGAAGGCGCCGGGGAGAATTGGG

ss.DNA59820    481
AGCCGCGCGTCTTGCCCTACCACCCTGCACAGCCCGGCCAGGCCGCCAAAAAGGCCGTCA

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P_AAZ65074     481
AGCCGCGCGTCTTGCCCTACCACCCTGCACAGCCCGGCCAGGCCGCCAAAAAGGCCGTCA

ss.DNA59820    541
GGACCCGCTACATCAGCACGGAGCTGGGCATCAGGCAGAGGCTGCTGGTGGCGGTGCTGA

************************************************************
P_AAZ65074     541
GGACCCGCTACATCAGCACGGAGCTGGGCATCAGGCAGAGGCTGCTGGTGGCGGTGCTGA

ss.DNA59820    601
CCTCTCAGACCACGCTGCCCACGCTGGGCGTGGCCGTGAACCGCACGCTGGGGCACCGGC

************************************************************
P_AAZ65074     601
CCTCTCAGACCACGCTGCCCACGCTGGGCGTGGCCGTGAACCGCACGCTGGGGCACCGGC

ss.DNA59820    661
TGGAGCGTGTGGTGTTCCTGACGGGCGCACGGGGCCGCCGGGCCCCACCTGGCATGGCAG

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P_AAZ65074     661
TGGAGCGTGTGGTGTTCCTGACGGGCGCACGGGGCCGCCGGGCCCCACCTGGCATGGCAG

ss.DNA59820    721
TGGTGACGCTGGGCGAGGAGCGACCCATTGGACACCTGCACCTGGCGCTGCGCCACCTGC

************************************************************
P_AAZ65074     721
TGGTGACGCTGGGCGAGGAGCGACCCATTGGACACCTGCACCTGGCGCTGCGCCACCTGC

ss.DNA59820    781
TGGAGCAGCACGGCGACGACTTTGACTGGTTCTTCCTGGTGCCTGACACCACCTACACCG

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P_AAZ65074     781
TGGAGCAGCACGGCGACGACTTTGACTGGTTCTTCCTGGTGCCTGACACCACCTACACCG

ss.DNA59820    841
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BLAST RESULTS A-3

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AGGCGCACGGCCTGGCACGCCTAACTGGCCACCTCAGCCTGGCCTCCGCCGCCCACCTGT

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P_AAZ65074     841
AGGCGCACGGCCTGGCACGCCTAACTGGCCACCTCAGCCTGGCCTCCGCCGCCCACCTGT

ss.DNA59820    901
ACCTGGGCCGGCCCCAGGACTTCATCGGCGGAGAGCCCACCCCCGGCCGCTACTGCCACG

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P_AAZ65074     901
ACCTGGGCCGGCCCCAGGACTTCATCGGCGGAGAGCCCACCCCCGGCCGCTACTGCCACG

ss.DNA59820    961
GAGGCTTTGGGGTGCTGCTGTCGCGCATGCTGCTGCAACAACTGCGCCCCCACCTGGAAG

************************************************************
P_AAZ65074     961
GAGGCTTTGGGGTGCTGCTGTCGCGCATGCTGCTGCAACAACTGCGCCCCCACCTGGAAG

ss.DNA59820   1021
GCTGCCGCAACGACATCGTCAGTGCGCGCCCTGACGAGTGGCTGGGTCGCTGCATTCTCG

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P_AAZ65074    1021
GCTGCCGCAACGACATCGTCAGTGCGCGCCCTGACGAGTGGCTGGGTCGCTGCATTCTCG

ss.DNA59820   1081
ATGCCACCGGGGTGGGCTGCACTGGTGACCACGAGGGGGTGCACTATAGCCATCTGGAGC

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P_AAZ65074    1081
ATGCCACCGGGGTGGGCTGCACTGGTGACCACGAGGGGGTGCACTATAGCCATCTGGAGC

ss.DNA59820   1141
TGAGCCCTGGGGAGCCAGTGCAGGAGGGGGACCCTCATTTCCGAAGTGCCCTGACAGCCC

************************************************************
P_AAZ65074    1141
TGAGCCCTGGGGAGCCAGTGCAGGAGGGGGACCCTCATTTCCGAAGTGCCCTGACAGCCC

ss.DNA59820   1201
ACCCTGTGCGTGACCCTGTGCACATGTACCAGCTGCACAAAGCTTTCGCCCGAGCTGAAC

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P_AAZ65074    1201
ACCCTGTGCGTGACCCTGTGCACATGTACCAGCTGCACAAAGCTTTCGCCCGAGCTGAAC

ss.DNA59820   1261
TGGAACGCACGTACCAGGAGATCCAGGAGTTACAGTGGGAGATCCAGAATACCAGCCATC

************************************************************
P_AAZ65074    1261
TGGAACGCACGTACCAGGAGATCCAGGAGTTACAGTGGGAGATCCAGAATACCAGCCATC

ss.DNA59820   1321
TGGCCGTTGATGGGGACCGGGCAGCTGCTTGGCCCGTGGGTATTCCAGCACCATCCCGCC

************************************************************
P_AAZ65074    1321
TGGCCGTTGATGGGGACCGGGCAGCTGCTTGGCCCGTGGGTATTCCAGCACCATCCCGCC
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BLAST RESULTS A14

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ss.DNA59820  1381
CGGCCTCCCGCTTTGAGGTGCTGCGCTGGGACTACTTCACGGAGCAGCACGCTTTCTCCT

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P_AAZ65074   1381
CGGCCTCCCGCTTTGAGGTGCTGCGCTGGGACTACTTCACGGAGCAGCACGCTTTCTCCT

ss.DNA59820  1441
GCGCCGATGGCTCACCCCGCTGCCCACTGCGTGGGGCTGACCGGGCTGATGTGGCCGATG

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P_AAZ65074   1441
GCGCCGATGGCTCACCCCGCTGCCCACTGCGTGGGGCTGACCGGGCTGATGTGGCCGATG

ss.DNA59820  1501
TTCTGGGGACAGCTCTAGAGGAGCTGAACCGCCGCTACCACCCGGCCTTGCGGCTCCAGA

************************************************************
P_AAZ65074   1501
TTCTGGGGACAGCTCTAGAGGAGCTGAACCGCCGCTACCACCCGGCCTTGCGGCTCCAGA

ss.DNA59820  1561
AGCAGCAGCTGGTGAATGGCTACCGACGCTTTGATCCGGCCCGGGGTATGGAATACACGC

************************************************************
P_AAZ65074   1561
AGCAGCAGCTGGTGAATGGCTACCGACGCTTTGATCCGGCCCGGGGTATGGAATACACGC

ss.DNA59820  1621
TGGACTTGCAGCTGGAGGCACTGACCCCCCAGGGAGGCCGCCGGCCCCTCACTCGCCGAG

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P_AAZ65074   1621
TGGACTTGCAGCTGGAGGCACTGACCCCCCAGGGAGGCCGCCGGCCCCTCACTCGCCGAG

ss.DNA59820  1681
TGCAGCTGCTCCGGCCGCTGAGCCGCGTGGAGATCTTGCCTGTGCCCTATGTCACTGAGG

************************************************************
P_AAZ65074   1681
TGCAGCTGCTCCGGCCGCTGAGCCGCGTGGAGATCTTGCCTGTGCCCTATGTCACTGAGG

ss.DNA59820  1741
CCTCACGTCTCACTGTGCTGCTGCCTCTAGCTGCGGCTGAGCGTGACCTGGCCCCTGGCT

************************************************************
P_AAZ65074   1741
CCTCACGTCTCACTGTGCTGCTGCCTCTAGCTGCGGCTGAGCGTGACCTGGCCCCTGGCT

ss.DNA59820  1801
TCTTGGAGGCCTTTGCCACTGCAGCACTGGAGCCTGGTGATGCTGCGGCAGCCCTGACCC

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P_AAZ65074   1801
TCTTGGAGGCCTTTGCCACTGCAGCACTGGAGCCTGGTGATGCTGCGGCAGCCCTGACCC

ss.DNA59820  1861
TGCTGCTACTGTATGAGCCGCGCCAGGCCCAGCGCGTGGCCCATGCAGATGTCTTCGCAC

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BLAST RESULTS A-5

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P_AAZ65074    1861
TGCTGCTACTGTATGAGCCGCGCCAGGCCCAGCGCGTGGCCCATGCAGATGTCTTCGCAC

ss.DNA59820   1921
CTGTCAAGGCCCACGTGGCAGAGCTGGAGCGGCGTTTCCCCGGTGCCCGGGTGCCATGGC

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P_AAZ65074    1921
CTGTCAAGGCCCACGTGGCAGAGCTGGAGCGGCGTTTCCCCGGTGCCCGGGTGCCATGGC

ss.DNA59820   1981
TCAGTGTGCAGACAGCCGCACCCTCACCACTGCGCCTCATGGATCTACTCTCCAAGAAGC

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P_AAZ65074    1981
TCAGTGTGCAGACAGCCGCACCCTCACCACTGCGCCTCATGGATCTACTCTCCAAGAAGC

ss.DNA59820   2041
ACCCGCTGGACACACTGTTCCTGCTGGCCGGGCCAGACACGGTGCTCACGCCTGACTTCC

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P_AAZ65074    2041
ACCCGCTGGACACACTGTTCCTGCTGGCCGGGCCAGACACGGTGCTCACGCCTGACTTCC

ss.DNA59820   2101
TGAACCGCTGCCGCATGCATGCCATCTCCGGCTGGCAGGCCTTCTTTCCCATGCATTTCC

************************************************************
P_AAZ65074    2101
TGAACCGCTGCCGCATGCATGCCATCTCCGGCTGGCAGGCCTTCTTTCCCATGCATTTCC

ss.DNA59820   2161
AAGCCTTCCACCCAGGTGTGGCCCCACCACAAGGGCCTGGGCCCCCAGAGCTGGGCCGTG

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P_AAZ65074    2161
AAGCCTTCCACCCAGGTGTGGCCCCACCACAAGGGCCTGGGCCCCCAGAGCTGGGCCGTG

ss.DNA59820   2221
ACACTGGCCGCTTTGATCGCCAGGCAGCCAGCGAGGCCTGCTTCTACAACTCCGACTACG

************************************************************
P_AAZ65074    2221
ACACTGGCCGCTTTGATCGCCAGGCAGCCAGCGAGGCCTGCTTCTACAACTCCGACTACG

ss.DNA59820   2281
TGGCAGCCCGTGGGCGCCTGGCGGCAGCCTCAGAACAAGAAGAGGAGCTGCTGGAGAGCC

************************************************************
P_AAZ65074    2281
TGGCAGCCCGTGGGCGCCTGGCGGCAGCCTCAGAACAAGAAGAGGAGCTGCTGGAGAGCC

ss.DNA59820   2341
TGGATGTGTACGAGCTGTTCCTCCACTTCTCCAGTCTGCATGTGCTGCGGGCGGTGGAGC

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P_AAZ65074    2341
TGGATGTGTACGAGCTGTTCCTCCACTTCTCCAGTCTGCATGTGCTGCGGGCGGTGGAGC

ss.DNA59820   2401
CGGCGCTGCTGCAGCGCTACCGGGCCCAGACGTGCAGCGCGAGGCTCAGTGAGGACCTGT
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BLAST RESULTS A-9

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P_AAZ65074    2401
CGGCGCTGCTGCAGCGCTACCGGGCCCAGACGTGCAGCGCGAGGCTCAGTGAGGACCTGT

ss.DNA59820   2461
ACCACCGCTGCCTCCAGAGCGTGCTTGAGGGCCTCGGCTCCCGAACCCAGCTGGCCATGC

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P_AAZ65074    2461
ACCACCGCTGCCTCCAGAGCGTGCTTGAGGGCCTCGGCTCCCGAACCCAGCTGGCCATGC

ss.DNA59820   2521
TACTCTTTGAACAGGAGCAGGGCAACAGCACCTGACCCCACCCTGTCCCCGTGGGCCGTG

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P_AAZ65074    2521
TACTCTTTGAACAGGAGCAGGGCAACAGCACCTGACCCCACCCTGTCCCCGTGGGCCGTG

ss.DNA59820   2581
GCATGGCCACACCCCACCCCACTTCTCCCCCAAAACCAGAGCCACCTGCCAGCCTCGCTG

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P_AAZ65074    2581
GCATGGCCACACCCCACCCCACTTCTCCCCCAAAACCAGAGCCACCTGCCAGCCTCGCTG

ss.DNA59820   2641
GGCAGGGCTGGCCGTAGCCAGACCCCAAGCTGGCCCACTGGTCCCCTCTCTGGCTCTGTG

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P_AAZ65074    2641
GGCAGGGCTGGCCGTAGCCAGACCCCAAGCTGGCCCACTGGTCCCCTCTCTGGCTCTGTG

ss.DNA59820   2701
GGTCCCTGGGCTCTGGACAAGCACTGGGGGACGTGCCCCCAGAGCCACCCACTTCTCATC

**************************************************************
P_AAZ65074    2701
GGTCCCTGGGCTCTGGACAAGCACTGGGGGACGTGCCCCCAGAGCCACCCACTTCTCATC

ss.DNA59820   2761
CCAAACCCAGTTTCCCTGCCCCCTGACGCTGCTGATTCGGGCTGTGGCCTCCACGTATTT

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P_AAZ65074    2761
CCAAACCCAGTTTCCCTGCCCCCTGACGCTGCTGATTCGGGCTGTGGCCTCCACGTATTT

ss.DNA59820   2821
ATGCAGTACAGTCTGCCTGACGCCAGCCCTGCCTCTGGGCCCTGGGGGCTGGGCTGTAGA

**************************************************************
P_AAZ65074    2821
ATGCAGTACAGTCTGCCTGACGCCAGCCCTGCCTCTGGGCCCTGGGGGCTGGGCTGTAGA

ss.DNA59820   2881
AGAGTTGTTGGGGAAGGAGGGAGCTGAGGAGGGGGCATCTCCCAACTTCTCCCTTTTGGA

**************************************************************
P_AAZ65074    2881
AGAGTTGTTGGGGAAGGAGGGAGCTGAGGAGGGGGCATCTCCCAACTTCTCCCTTTTGGA
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ss.DNA59820   2941 CCCTGCCGAAGCTCCCTGCCTTTAATAAACTGGCCAAGTGTGGAAAAA
                 **********************************************
P_AAZ65074    2941 CCCTGCCGAAGCTCCCTGCCTTTAATAAACTGGCCAAGTGTGGAAAAA

>2 P_AAF44220 Human PRO1281 (UNQ651) nucleotide sequence SEQ ID NO:325.
(2988 bp) [1 seg]
 Score = 2988 (5923 bits), Expect = 0.0
 Identities = 2988/2988 (100%), at 1,1-2988,2988, Strand +/+

ss.DNA59820      1
GCCGAGCGCAAGAACCCTGCGCAGCCCAGAGCAGCTGCTGGAGGGGAATCGAGGCGCGGC

************************************************************
P_AAF44220       1
GCCGAGCGCAAGAACCCTGCGCAGCCCAGAGCAGCTGCTGGAGGGGAATCGAGGCGCGGC

ss.DNA59820     61
TCCGGGGATTCGGCTCGGGCCGCTGGCTCTGCTCTGCGGGGAGGGAGCGGGCCCGCCCGC

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P_AAF44220      61
TCCGGGGATTCGGCTCGGGCCGCTGGCTCTGCTCTGCGGGGAGGGAGCGGGCCCGCCCGC

ss.DNA59820    121
GGGGCCCGAGCCCTCCGGATCCGCCCCCTCCCCGGTCCCGCCCCCTCGGAGACTCCTCTG

************************************************************
P_AAF44220     121
GGGGCCCGAGCCCTCCGGATCCGCCCCCTCCCCGGTCCCGCCCCCTCGGAGACTCCTCTG

ss.DNA59820    181
GCTGCTCTGGGGGTTCGCCGGGGCCGGGGACCCGCGGTCCGGGCGCCATGCGGGCATCGC

************************************************************
P_AAF44220     181
GCTGCTCTGGGGGTTCGCCGGGGCCGGGGACCCGCGGTCCGGGCGCCATGCGGGCATCGC

ss.DNA59820    241
TGCTGCTGTCGGTGCTGCGGCCCGCAGGGCCCGTGGCCGTGGGCATCTCCCTGGGCTTCA

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P_AAF44220     241
TGCTGCTGTCGGTGCTGCGGCCCGCAGGGCCCGTGGCCGTGGGCATCTCCCTGGGCTTCA

ss.DNA59820    301
CCCTGAGCCTGCTCAGCGTCACCTGGGTGGAGGAGCCGTGCGGCCCAGGCCCGCCCCAAC

************************************************************
P_AAF44220     301
CCCTGAGCCTGCTCAGCGTCACCTGGGTGGAGGAGCCGTGCGGCCCAGGCCCGCCCCAAC

ss.DNA59820    361
CTGGAGACTCTGAGCTGCCGCCGCGCGGCAACACCAACGCGGCGCGCCGGCCCAACTCGG

************************************************************
P_AAF44220     361
CTGGAGACTCTGAGCTGCCGCCGCGCGGCAACACCAACGCGGCGCGCCGGCCCAACTCGG

ss.DNA59820    421
TGCAGCCCGGAGCGGAGCGCGAGAAGCCCGGGGCCGGCGAAGGCGCCGGGGAGAATTGGG
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BLAST RESULTS A-9

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**************************************************************
P_AAF44220     421
TGCAGCCCGGAGCGGAGCGCGAGAAGCCCGGGGCCGGCGAAGGCGCCGGGGAGAATTGGG

ss.DNA59820    481
AGCCGCGCGTCTTGCCCTACCACCCTGCACAGCCCGGCCAGGCCGCCAAAAAGGCCGTCA

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P_AAF44220     481
AGCCGCGCGTCTTGCCCTACCACCCTGCACAGCCCGGCCAGGCCGCCAAAAAGGCCGTCA

ss.DNA59820    541
GGACCCGCTACATCAGCACGGAGCTGGGCATCAGGCAGAGGCTGCTGGTGGCGGTGCTGA

**************************************************************
P_AAF44220     541
GGACCCGCTACATCAGCACGGAGCTGGGCATCAGGCAGAGGCTGCTGGTGGCGGTGCTGA

ss.DNA59820    601
CCTCTCAGACCACGCTGCCCACGCTGGGCGTGGCCGTGAACCGCACGCTGGGGCACCGGC

**************************************************************
P_AAF44220     601
CCTCTCAGACCACGCTGCCCACGCTGGGCGTGGCCGTGAACCGCACGCTGGGGCACCGGC

ss.DNA59820    661
TGGAGCGTGTGGTGTTCCTGACGGGCGCACGGGGCCGCCGGGCCCCACCTGGCATGGCAG

**************************************************************
P_AAF44220     661
TGGAGCGTGTGGTGTTCCTGACGGGCGCACGGGGCCGCCGGGCCCCACCTGGCATGGCAG

ss.DNA59820    721
TGGTGACGCTGGGCGAGGAGCGACCCATTGGACACCTGCACCTGGCGCTGCGCCACCTGC

**************************************************************
P_AAF44220     721
TGGTGACGCTGGGCGAGGAGCGACCCATTGGACACCTGCACCTGGCGCTGCGCCACCTGC

ss.DNA59820    781
TGGAGCAGCACGGCGACGACTTTGACTGGTTCTTCCTGGTGCCTGACACCACCTACACCG

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P_AAF44220     781
TGGAGCAGCACGGCGACGACTTTGACTGGTTCTTCCTGGTGCCTGACACCACCTACACCG

ss.DNA59820    841
AGGCGCACGGCCTGGCACGCCTAACTGGCCACCTCAGCCTGGCCTCCGCCGCCCACCTGT

**************************************************************
P_AAF44220     841
AGGCGCACGGCCTGGCACGCCTAACTGGCCACCTCAGCCTGGCCTCCGCCGCCCACCTGT

ss.DNA59820    901
ACCTGGGCCGGCCCCAGGACTTCATCGGCGGAGAGCCCACCCCCGGCCGCTACTGCCACG

**************************************************************
P_AAF44220     901
ACCTGGGCCGGCCCCAGGACTTCATCGGCGGAGAGCCCACCCCCGGCCGCTACTGCCACG

ss.DNA59820    961
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BLAST RESULTS A-9

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GAGGCTTTGGGGTGCTGCTGTCGCGCATGCTGCTGCAACAACTGCGCCCCCACCTGGAAG

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P_AAF44220    961
GAGGCTTTGGGGTGCTGCTGTCGCGCATGCTGCTGCAACAACTGCGCCCCCACCTGGAAG

ss.DNA59820  1021
GCTGCCGCAACGACATCGTCAGTGCGCGCCCTGACGAGTGGCTGGGTCGCTGCATTCTCG

************************************************************
P_AAF44220   1021
GCTGCCGCAACGACATCGTCAGTGCGCGCCCTGACGAGTGGCTGGGTCGCTGCATTCTCG

ss.DNA59820  1081
ATGCCACCGGGGTGGGCTGCACTGGTGACCACGAGGGGGTGCACTATAGCCATCTGGAGC

************************************************************
P_AAF44220   1081
ATGCCACCGGGGTGGGCTGCACTGGTGACCACGAGGGGGTGCACTATAGCCATCTGGAGC

ss.DNA59820  1141
TGAGCCCTGGGGAGCCAGTGCAGGAGGGGGACCCTCATTTCCGAAGTGCCCTGACAGCCC

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P_AAF44220   1141
TGAGCCCTGGGGAGCCAGTGCAGGAGGGGGACCCTCATTTCCGAAGTGCCCTGACAGCCC

ss.DNA59820  1201
ACCCTGTGCGTGACCCTGTGCACATGTACCAGCTGCACAAAGCTTTCGCCCGAGCTGAAC

************************************************************
P_AAF44220   1201
ACCCTGTGCGTGACCCTGTGCACATGTACCAGCTGCACAAAGCTTTCGCCCGAGCTGAAC

ss.DNA59820  1261
TGGAACGCACGTACCAGGAGATCCAGGAGTTACAGTGGGAGATCCAGAATACCAGCCATC

************************************************************
P_AAF44220   1261
TGGAACGCACGTACCAGGAGATCCAGGAGTTACAGTGGGAGATCCAGAATACCAGCCATC

ss.DNA59820  1321
TGGCCGTTGATGGGGACCGGGCAGCTGCTTGGCCCGTGGGTATTCCAGCACCATCCCGCC

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P_AAF44220   1321
TGGCCGTTGATGGGGACCGGGCAGCTGCTTGGCCCGTGGGTATTCCAGCACCATCCCGCC

ss.DNA59820  1381
CGGCCTCCCGCTTTGAGGTGCTGCGCTGGGACTACTTCACGGAGCAGCACGCTTTCTCCT

************************************************************
P_AAF44220   1381
CGGCCTCCCGCTTTGAGGTGCTGCGCTGGGACTACTTCACGGAGCAGCACGCTTTCTCCT

ss.DNA59820  1441
GCGCCGATGGCTCACCCCGCTGCCCACTGCGTGGGGCTGACCGGGCTGATGTGGCCGATG

************************************************************
P_AAF44220   1441
GCGCCGATGGCTCACCCCGCTGCCCACTGCGTGGGGCTGACCGGGCTGATGTGGCCGATG
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BLAST RESULTS A-10

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ss.DNA59820  1501
TTCTGGGGACAGCTCTAGAGGAGCTGAACCGCCGCTACCACCCGGCCTTGCGGCTCCAGA

************************************************************
P_AAF44220   1501
TTCTGGGGACAGCTCTAGAGGAGCTGAACCGCCGCTACCACCCGGCCTTGCGGCTCCAGA

ss.DNA59820  1561
AGCAGCAGCTGGTGAATGGCTACCGACGCTTTGATCCGGCCCGGGGTATGGAATACACGC

************************************************************
P_AAF44220   1561
AGCAGCAGCTGGTGAATGGCTACCGACGCTTTGATCCGGCCCGGGGTATGGAATACACGC

ss.DNA59820  1621
TGGACTTGCAGCTGGAGGCACTGACCCCCCAGGGAGGCCGCCGGCCCCTCACTCGCCGAG

************************************************************
P_AAF44220   1621
TGGACTTGCAGCTGGAGGCACTGACCCCCCAGGGAGGCCGCCGGCCCCTCACTCGCCGAG

ss.DNA59820  1681
TGCAGCTGCTCCGGCCGCTGAGCCGCGTGGAGATCTTGCCTGTGCCCTATGTCACTGAGG

************************************************************
P_AAF44220   1681
TGCAGCTGCTCCGGCCGCTGAGCCGCGTGGAGATCTTGCCTGTGCCCTATGTCACTGAGG

ss.DNA59820  1741
CCTCACGTCTCACTGTGCTGCTGCCTCTAGCTGCGGCTGAGCGTGACCTGGCCCCTGGCT

************************************************************
P_AAF44220   1741
CCTCACGTCTCACTGTGCTGCTGCCTCTAGCTGCGGCTGAGCGTGACCTGGCCCCTGGCT

ss.DNA59820  1801
TCTTGGAGGCCTTTGCCACTGCAGCACTGGAGCCTGGTGATGCTGCGGCAGCCCTGACCC

************************************************************
P_AAF44220   1801
TCTTGGAGGCCTTTGCCACTGCAGCACTGGAGCCTGGTGATGCTGCGGCAGCCCTGACCC

ss.DNA59820  1861
TGCTGCTACTGTATGAGCCGCGCCAGGCCCAGCGCGTGGCCCATGCAGATGTCTTCGCAC

************************************************************
P_AAF44220   1861
TGCTGCTACTGTATGAGCCGCGCCAGGCCCAGCGCGTGGCCCATGCAGATGTCTTCGCAC

ss.DNA59820  1921
CTGTCAAGGCCCACGTGGCAGAGCTGGAGCGGCGTTTCCCCGGTGCCCGGGTGCCATGGC

************************************************************
P_AAF44220   1921
CTGTCAAGGCCCACGTGGCAGAGCTGGAGCGGCGTTTCCCCGGTGCCCGGGTGCCATGGC

ss.DNA59820  1981
TCAGTGTGCAGACAGCCGCACCCTCACCACTGCGCCTCATGGATCTACTCTCCAAGAAGC

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BLAST RESULTS A-11

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P_AAF44220    1981
TCAGTGTGCAGACAGCCGCACCCTCACCACTGCGCCTCATGGATCTACTCTCCAAGAAGC

ss.DNA59820   2041
ACCCGCTGGACACACTGTTCCTGCTGGCCGGGCCAGACACGGTGCTCACGCCTGACTTCC

************************************************************
P_AAF44220    2041
ACCCGCTGGACACACTGTTCCTGCTGGCCGGGCCAGACACGGTGCTCACGCCTGACTTCC

ss.DNA59820   2101
TGAACCGCTGCCGCATGCATGCCATCTCCGGCTGGCAGGCCTTCTTTCCCATGCATTTCC

************************************************************
P_AAF44220    2101
TGAACCGCTGCCGCATGCATGCCATCTCCGGCTGGCAGGCCTTCTTTCCCATGCATTTCC

ss.DNA59820   2161
AAGCCTTCCACCCAGGTGTGGCCCCACCACAAGGGCCTGGGCCCCCAGAGCTGGGCCGTG

************************************************************
P_AAF44220    2161
AAGCCTTCCACCCAGGTGTGGCCCCACCACAAGGGCCTGGGCCCCCAGAGCTGGGCCGTG

ss.DNA59820   2221
ACACTGGCCGCTTTGATCGCCAGGCAGCCAGCGAGGCCTGCTTCTACAACTCCGACTACG

************************************************************
P_AAF44220    2221
ACACTGGCCGCTTTGATCGCCAGGCAGCCAGCGAGGCCTGCTTCTACAACTCCGACTACG

ss.DNA59820   2281
TGGCAGCCCGTGGGCGCCTGGCGGCAGCCTCAGAACAAGAAGAGGAGCTGCTGGAGAGCC

************************************************************
P_AAF44220    2281
TGGCAGCCCGTGGGCGCCTGGCGGCAGCCTCAGAACAAGAAGAGGAGCTGCTGGAGAGCC

ss.DNA59820   2341
TGGATGTGTACGAGCTGTTCCTCCACTTCTCCAGTCTGCATGTGCTGCGGGCGGTGGAGC

************************************************************
P_AAF44220    2341
TGGATGTGTACGAGCTGTTCCTCCACTTCTCCAGTCTGCATGTGCTGCGGGCGGTGGAGC

ss.DNA59820   2401
CGGCGCTGCTGCAGCGCTACCGGGCCCAGACGTGCAGCGCGAGGCTCAGTGAGGACCTGT

************************************************************
P_AAF44220    2401
CGGCGCTGCTGCAGCGCTACCGGGCCCAGACGTGCAGCGCGAGGCTCAGTGAGGACCTGT

ss.DNA59820   2461
ACCACCGCTGCCTCCAGAGCGTGCTTGAGGGCCTCGGCTCCCGAACCCAGCTGGCCATGC

************************************************************
P_AAF44220    2461
ACCACCGCTGCCTCCAGAGCGTGCTTGAGGGCCTCGGCTCCCGAACCCAGCTGGCCATGC

ss.DNA59820   2521
TACTCTTTGAACAGGAGCAGGGCAACAGCACCTGACCCCACCCTGTCCCCGTGGGCCGTG
```

BLAST RESULTS A-12

```
************************************************************
P_AAF44220    2521
TACTCTTTGAACAGGAGCAGGGCAACAGCACCTGACCCCACCCTGTCCCCGTGGGCCGTG

ss.DNA59820   2581
GCATGGCCACACCCCACCCCACTTCTCCCCCAAAACCAGAGCCACCTGCCAGCCTCGCTG

************************************************************
P_AAF44220    2581
GCATGGCCACACCCCACCCCACTTCTCCCCCAAAACCAGAGCCACCTGCCAGCCTCGCTG

ss.DNA59820   2641
GGCAGGGCTGGCCGTAGCCAGACCCCAAGCTGGCCCACTGGTCCCCTCTCTGGCTCTGTG

************************************************************
P_AAF44220    2641
GGCAGGGCTGGCCGTAGCCAGACCCCAAGCTGGCCCACTGGTCCCCTCTCTGGCTCTGTG

ss.DNA59820   2701
GGTCCCTGGGCTCTGGACAAGCACTGGGGGACGTGCCCCCAGAGCCACCCACTTCTCATC

************************************************************
P_AAF44220    2701
GGTCCCTGGGCTCTGGACAAGCACTGGGGGACGTGCCCCCAGAGCCACCCACTTCTCATC

ss.DNA59820   2761
CCAAACCCAGTTTCCCTGCCCCCTGACGCTGCTGATTCGGGCTGTGGCCTCCACGTATTT

************************************************************
P_AAF44220    2761
CCAAACCCAGTTTCCCTGCCCCCTGACGCTGCTGATTCGGGCTGTGGCCTCCACGTATTT

ss.DNA59820   2821
ATGCAGTACAGTCTGCCTGACGCCAGCCCTGCCTCTGGGCCCTGGGGGCTGGGCTGTAGA

************************************************************
P_AAF44220    2821
ATGCAGTACAGTCTGCCTGACGCCAGCCCTGCCTCTGGGCCCTGGGGGCTGGGCTGTAGA

ss.DNA59820   2881
AGAGTTGTTGGGGAAGGAGGGAGCTGAGGAGGGGGCATCTCCCAACTTCTCCCTTTTGGA

************************************************************
P_AAF44220    2881
AGAGTTGTTGGGGAAGGAGGGAGCTGAGGAGGGGGCATCTCCCAACTTCTCCCTTTTGGA

ss.DNA59820   2941 CCCTGCCGAAGCTCCCTGCCTTTAATAAACTGGCCAAGTGTGGAAAAA
                 **************************************************
P_AAF44220    2941 CCCTGCCGAAGCTCCCTGCCTTTAATAAACTGGCCAAGTGTGGAAAAA

>3 P_AAC58388 Human PRO1281 nucleotide sequence SEQ ID NO:56. (2987 bp)
[1 seg]
 Score = 2980 (5907 bits), Expect = 0.0
 Identities = 2987/2988 (99%), Gaps = 1/2988 (0%), at 1,1-2988,2987,
Strand +/+

ss.DNA59820      1
GCCGAGCGCAAGAACCCTGCGCAGCCCAGAGCAGCTGCTGGAGGGGAATCGAGGCGCGGC

************************************************************
```

BLAST RESULTS AID

```
P_AAC58388       1
GCCGAGCGCAAGAACCCTGCGCAGCCCAGAGCAGCTGCTGGAGGGGAATCGAGGCGCGGC

ss.DNA59820     61
TCCGGGGATTCGGCTCGGGCCGCTGGCTCTGCTCTGCGGGGAGGGAGCGGGCCCGCCCGC

************************************************************
P_AAC58388      61
TCCGGGGATTCGGCTCGGGCCGCTGGCTCTGCTCTGCGGGGAGGGAGCGGGCCCGCCCGC

ss.DNA59820    121
GGGGCCCGAGCCCTCCGGATCCGCCCCCTCCCCGGTCCCGCCCCCTCGGAGACTCCTCTG

************************************************************
P_AAC58388     121
GGGGCCCGAGCCCTCCGGATCCGCCCCCTCCCCGGTCCCGCCCCCTCGGAGACTCCTCTG

ss.DNA59820    181
GCTGCTCTGGGGGTTCGCCGGGGCCGGGGACCCGCGGTCCGGGCGCCATGCGGGCATCGC

************************************************************
P_AAC58388     181
GCTGCTCTGGGGGTTCGCCGGGGCCGGGGACCCGCGGTCCGGGCGCCATGCGGGCATCGC

ss.DNA59820    241
TGCTGCTGTCGGTGCTGCGGCCCGCAGGGCCCGTGGCCGTGGGCATCTCCCTGGGCTTCA

************************************************************
P_AAC58388     241
TGCTGCTGTCGGTGCTGCGGCCCGCAGGGCCCGTGGCCGTGGGCATCTCCCTGGGCTTCA

ss.DNA59820    301
CCCTGAGCCTGCTCAGCGTCACCTGGGTGGAGGAGCCGTGCGGCCCAGGCCCGCCCCAAC

************************************************************
P_AAC58388     301
CCCTGAGCCTGCTCAGCGTCACCTGGGTGGAGGAGCCGTGCGGCCCAGGCCCGCCCCAAC

ss.DNA59820    361
CTGGAGACTCTGAGCTGCCGCCGCGCGGCAACACCAACGCGGCGCGCCGGCCCAACTCGG

************************************************************
P_AAC58388     361
CTGGAGACTCTGAGCTGCCGCCGCGCGGCAACACCAACGCGGCGCGCCGGCCCAACTCGG

ss.DNA59820    421
TGCAGCCCGGAGCGGAGCGCGAGAAGCCCGGGGCCGGCGAAGGCGCCGGGGAGAATTGGG

************************************************************
P_AAC58388     421
TGCAGCCCGGAGCGGAGCGCGAGAAGCCCGGGGCCGGCGAAGGCGCCGGGGAGAATTGGG

ss.DNA59820    481
AGCCGCGCGTCTTGCCCTACCACCCTGCACAGCCCGGCCAGGCCGCCAAAAAGGCCGTCA

************************************************************
P_AAC58388     481
AGCCGCGCGTCTTGCCCTACCACCCTGCACAGCCCGGCCAGGCCGCCAAAAAGGCCGTCA

ss.DNA59820    541
GGACCCGCTACATCAGCACGGAGCTGGGCATCAGGCAGAGGCTGCTGGTGGCGGTGCTGA
```

BLAST RESULTS A-14

```
************************************************************
P_AAC58388     541
GGACCCGCTACATCAGCACGGAGCTGGGCATCAGGCAGAGGCTGCTGGTGGCGGTGCTGA

ss.DNA59820    601
CCTCTCAGACCACGCTGCCCACGCTGGGCGTGGCCGTGAACCGCACGCTGGGGCACCGGC

************************************************************
P_AAC58388     601
CCTCTCAGACCACGCTGCCCACGCTGGGCGTGGCCGTGAACCGCACGCTGGGGCACCGGC

ss.DNA59820    661
TGGAGCGTGTGGTGTTCCTGACGGGCGCACGGGGCCGCCGGGCCCCACCTGGCATGGCAG

************************************************************
P_AAC58388     661
TGGAGCGTGTGGTGTTCCTGACGGGCGCACGGGGCCGCCGGGCCCCACCTGGCATGGCAG

ss.DNA59820    721
TGGTGACGCTGGGCGAGGAGCGACCCATTGGACACCTGCACCTGGCGCTGCGCCACCTGC

************************************************************
P_AAC58388     721
TGGTGACGCTGGGCGAGGAGCGACCCATTGGACACCTGCACCTGGCGCTGCGCCACCTGC

ss.DNA59820    781
TGGAGCAGCACGGCGACGACTTTGACTGGTTCTTCCTGGTGCCTGACACCACCTACACCG

************************************************************
P_AAC58388     781
TGGAGCAGCACGGCGACGACTTTGACTGGTTCTTCCTGGTGCCTGACACCACCTACACCG

ss.DNA59820    841
AGGCGCACGGCCTGGCACGCCTAACTGGCCACCTCAGCCTGGCCTCCGCCGCCCACCTGT

************************************************************
P_AAC58388     841
AGGCGCACGGCCTGGCACGCCTAACTGGCCACCTCAGCCTGGCCTCCGCCGCCCACCTGT

ss.DNA59820    901
ACCTGGGCCGGCCCCAGGACTTCATCGGCGGAGAGCCCACCCCCGGCCGCTACTGCCACG

************************************************************
P_AAC58388     901
ACCTGGGCCGGCCCCAGGACTTCATCGGCGGAGAGCCCACCCCCGGCCGCTACTGCCACG

ss.DNA59820    961
GAGGCTTTGGGGTGCTGCTGTCGCGCATGCTGCTGCAACAACTGCGCCCCCACCTGGAAG

************************************************************
P_AAC58388     961
GAGGCTTTGGGGTGCTGCTGTCGCGCATGCTGCTGCAACAACTGCGCCCCCACCTGGAAG

ss.DNA59820   1021
GCTGCCGCAACGACATCGTCAGTGCGCGCCCTGACGAGTGGCTGGGTCGCTGCATTCTCG

************************************************************
P_AAC58388    1021
GCTGCCGCAACGACATCGTCAGTGCGCGCCCTGACGAGTGGCTGGGTCGCTGCATTCTCG
```

BLAST RESULTS A-15

```
ss.DNA59820  1081
ATGCCACCGGGGTGGGCTGCACTGGTGACCACGAGGGGGTGCACTATAGCCATCTGGAGC

************************************************************
P_AAC58388   1081
ATGCCACCGGGGTGGGCTGCACTGGTGACCACGAGGGGGTGCACTATAGCCATCTGGAGC

ss.DNA59820  1141
TGAGCCCTGGGGAGCCAGTGCAGGAGGGGGACCCTCATTTCCGAAGTGCCCTGACAGCCC

************************************************************
P_AAC58388   1141
TGAGCCCTGGGGAGCCAGTGCAGGAGGGGGACCCTCATTTCCGAAGTGCCCTGACAGCCC

ss.DNA59820  1201
ACCCTGTGCGTGACCCTGTGCACATGTACCAGCTGCACAAAGCTTTCGCCCGAGCTGAAC

************************************************************
P_AAC58388   1201
ACCCTGTGCGTGACCCTGTGCACATGTACCAGCTGCACAAAGCTTTCGCCCGAGCTGAAC

ss.DNA59820  1261
TGGAACGCACGTACCAGGAGATCCAGGAGTTACAGTGGGAGATCCAGAATACCAGCCATC

************************************************************
P_AAC58388   1261
TGGAACGCACGTACCAGGAGATCCAGGAGTTACAGTGGGAGATCCAGAATACCAGCCATC

ss.DNA59820  1321
TGGCCGTTGATGGGGACCGGGCAGCTGCTTGGCCCGTGGGTATTCCAGCACCATCCCGCC

************************************************************
P_AAC58388   1321
TGGCCGTTGATGGGGACCGGGCAGCTGCTTGGCCCGTGGGTATTCCAGCACCATCCCGCC

ss.DNA59820  1381
CGGCCTCCCGCTTTGAGGTGCTGCGCTGGGACTACTTCACGGAGCAGCACGCTTTCTCCT

************************************************************
P_AAC58388   1381
CGGCCTCCCGCTTTGAGGTGCTGCGCTGGGACTACTTCACGGAGCAGCACGCTTTCTCCT

ss.DNA59820  1441
GCGCCGATGGCTCACCCCGCTGCCCACTGCGTGGGGCTGACCGGGCTGATGTGGCCGATG

************************************************************
P_AAC58388   1441
GCGCCGATGGCTCACCCCGCTGCCCACTGCGTGGGGCTGACCGGGCTGATGTGGCCGATG

ss.DNA59820  1501
TTCTGGGGACAGCTCTAGAGGAGCTGAACCGCCGCTACCACCCGGCCTTGCGGCTCCAGA

************************************************************
P_AAC58388   1501
TTCTGGGGACAGCTCTAGAGGAGCTGAACCGCCGCTACCACCCGGCCTTGCGGCTCCAGA

ss.DNA59820  1561
AGCAGCAGCTGGTGAATGGCTACCGACGCTTTGATCCGGCCCGGGGTATGGAATACACGC

************************************************************
P_AAC58388   1561
```

BLAST RESULTS A-10

```
AGCAGCAGCTGGTGAATGGCTACCGACGCTTTGATCCGGCCCGGGGTATGGAATACACGC

ss.DNA59820  1621
TGGACTTGCAGCTGGAGGCACTGACCCCCCAGGGAGGCCGCCGGCCCCTCACTCGCCGAG

************************************************************
P_AAC58388   1621
TGGACTTGCAGCTGGAGGCACTGACCCCCCAGGGAGGCCGCCGGCCCCTCACTCGCCGAG

ss.DNA59820  1681
TGCAGCTGCTCCGGCCGCTGAGCCGCGTGGAGATCTTGCCTGTGCCCTATGTCACTGAGG

************************************************************
P_AAC58388   1681
TGCAGCTGCTCCGGCCGCTGAGCCGCGTGGAGATCTTGCCTGTGCCCTATGTCACTGAGG

ss.DNA59820  1741
CCTCACGTCTCACTGTGCTGCTGCCTCTAGCTGCGGCTGAGCGTGACCTGGCCCCTGGCT

************************************************************
P_AAC58388   1741
CCTCACGTCTCACTGTGCTGCTGCCTCTAGCTGCGGCTGAGCGTGACCTGGCCCCTGGCT

ss.DNA59820  1801
TCTTGGAGGCCTTTGCCACTGCAGCACTGGAGCCTGGTGATGCTGCGGCAGCCCTGACCC

************************************************************
P_AAC58388   1801
TCTTGGAGGCCTTTGCCACTGCAGCACTGGAGCCTGGTGATGCTGCGGCAGCCCTGACCC

ss.DNA59820  1861
TGCTGCTACTGTATGAGCCGCGCCAGGCCCAGCGCGTGGCCCATGCAGATGTCTTCGCAC

************************************************************
P_AAC58388   1861
TGCTGCTACTGTATGAGCCGCGCCAGGCCCAGCGCGTGGCCCATGCAGATGTCTTCGCAC

ss.DNA59820  1921
CTGTCAAGGCCCACGTGGCAGAGCTGGAGCGGCGTTTCCCCGGTGCCCGGGTGCCATGGC

************************************************************
P_AAC58388   1921
CTGTCAAGGCCCACGTGGCAGAGCTGGAGCGGCGTTTCCCCGGTGCCCGGGTGCCATGGC

ss.DNA59820  1981
TCAGTGTGCAGACAGCCGCACCCTCACCACTGCGCCTCATGGATCTACTCTCCAAGAAGC

************************************************************
P_AAC58388   1981
TCAGTGTGCAGACAGCCGCACCCTCACCACTGCGCCTCATGGATCTACTCTCCAAGAAGC

ss.DNA59820  2041
ACCCGCTGGACACACTGTTCCTGCTGGCCGGGCCAGACACGGTGCTCACGCCTGACTTCC

************************************************************
P_AAC58388   2041
ACCCGCTGGACACACTGTTCCTGCTGGCCGGGCCAGACACGGTGCTCACGCCTGACTTCC

ss.DNA59820  2101
TGAACCGCTGCCGCATGCATGCCATCTCCGGCTGGCAGGCCTTCTTTCCCATGCATTTCC
```

BLAST RESULTS A-17

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**************************************************************
P_AAC58388    2101
TGAACCGCTGCCGCATGCATGCCATCTCCGGCTGGCAGGCCTTCTTTCCCATGCATTTCC

ss.DNA59820   2161
AAGCCTTCCACCCAGGTGTGGCCCCACCACAAGGGCCTGGGCCCCCAGAGCTGGGCCGTG

**************************************************************
P_AAC58388    2161
AAGCCTTCCACCCAGGTGTGGCCCCACCACAAGGGCCTGGGCCCCCAGAGCTGGGCCGTG

ss.DNA59820   2221
ACACTGGCCGCTTTGATCGCCAGGCAGCCAGCGAGGCCTGCTTCTACAACTCCGACTACG

**************************************************************
P_AAC58388    2221
ACACTGGCCGCTTTGATCGCCAGGCAGCCAGCGAGGCCTGCTTCTACAACTCCGACTACG

ss.DNA59820   2281
TGGCAGCCCGTGGGCGCCTGGCGGCAGCCTCAGAACAAGAAGAGGAGCTGCTGGAGAGCC

**************************************************************
P_AAC58388    2281
TGGCAGCCCGTGGGCGCCTGGCGGCAGCCTCAGAACAAGAAGAGGAGCTGCTGGAGAGCC

ss.DNA59820   2341
TGGATGTGTACGAGCTGTTCCTCCACTTCTCCAGTCTGCATGTGCTGCGGGCGGTGGAGC

**************************************************************
P_AAC58388    2341
TGGATGTGTACGAGCTGTTCCTCCACTTCTCCAGTCTGCATGTGCTGCGGGCGGTGGAGC

ss.DNA59820   2401
CGGCGCTGCTGCAGCGCTACCGGGCCCAGACGTGCAGCGCGAGGCTCAGTGAGGACCTGT

**************************************************************
P_AAC58388    2401
CGGCGCTGCTGCAGCGCTACCGGGCCCAGACGTGCAGCGCGAGGCTCAGTGAGGACCTGT

ss.DNA59820   2461
ACCACCGCTGCCTCCAGAGCGTGCTTGAGGGCCTCGGCTCCCGAACCCAGCTGGCCATGC

**************************************************************
P_AAC58388    2461
ACCACCGCTGCCTCCAGAGCGTGCTTGAGGGCCTCGGCTCCCGAACCCAGCTGGCCATGC

ss.DNA59820   2521
TACTCTTTGAACAGGAGCAGGGCAACAGCACCTGACCCCACCCTGTCCCCGTGGGCCGTG
                    ******************
**************************************
P_AAC58388    2521 TACTCTTTGAACAGGAGCA-
GGCAACAGCACCTGACCCCACCCTGTCCCCGTGGGCCGTG

ss.DNA59820   2581
GCATGGCCACACCCCACCCCACTTCTCCCCCAAAACCAGAGCCACCTGCCAGCCTCGCTG

**************************************************************
P_AAC58388    2580
GCATGGCCACACCCCACCCCACTTCTCCCCCAAAACCAGAGCCACCTGCCAGCCTCGCTG

ss.DNA59820   2641
```

BLAST RESULTS A-18

```
GGCAGGGCTGGCCGTAGCCAGACCCCAAGCTGGCCCACTGGTCCCCTCTCTGGCTCTGTG

************************************************************
P_AAC58388    2640
GGCAGGGCTGGCCGTAGCCAGACCCCAAGCTGGCCCACTGGTCCCCTCTCTGGCTCTGTG

ss.DNA59820   2701
GGTCCCTGGGCTCTGGACAAGCACTGGGGGACGTGCCCCCAGAGCCACCCACTTCTCATC

************************************************************
P_AAC58388    2700
GGTCCCTGGGCTCTGGACAAGCACTGGGGGACGTGCCCCCAGAGCCACCCACTTCTCATC

ss.DNA59820   2761
CCAAACCCAGTTTCCCTGCCCCCTGACGCTGCTGATTCGGGCTGTGGCCTCCACGTATTT

************************************************************
P_AAC58388    2760
CCAAACCCAGTTTCCCTGCCCCCTGACGCTGCTGATTCGGGCTGTGGCCTCCACGTATTT

ss.DNA59820   2821
ATGCAGTACAGTCTGCCTGACGCCAGCCCTGCCTCTGGGCCCTGGGGGCTGGGCTGTAGA

************************************************************
P_AAC58388    2820
ATGCAGTACAGTCTGCCTGACGCCAGCCCTGCCTCTGGGCCCTGGGGGCTGGGCTGTAGA

ss.DNA59820   2881
AGAGTTGTTGGGGAAGGAGGGAGCTGAGGAGGGGGCATCTCCCAACTTCTCCCTTTTGGA

************************************************************
P_AAC58388    2880
AGAGTTGTTGGGGAAGGAGGGAGCTGAGGAGGGGGCATCTCCCAACTTCTCCCTTTTGGA

ss.DNA59820   2941 CCCTGCCGAAGCTCCCTGCCTTTAATAAACTGGCCAAGTGTGGAAAAA
                   **********************************************
P_AAC58388    2940 CCCTGCCGAAGCTCCCTGCCTTTAATAAACTGGCCAAGTGTGGAAAAA

>4 P_AAC69800 Human breast tumour antigen coding sequence #2. (2514 bp)
[2 segs]
 Score = 2487 (4930 bits), Expect = 0.0 [P_AAC69800, seg 1/2]
 Identities = 2502/2507 (99%), at 482,1-2988,2507, Strand +/+

ss.DNA59820    482
GCCGCGCGTCTTGCCCTACCACCCTGCACAGCCCGGCCAGGCCGCCAAAAAGGCCGTCAG

************************************************************
P_AAC69800       1
GCCGCGCGTCTTGCCCTACCACCCTGCACAGCCCGGCCAGGCCGCCAAAAAGGCCGTCAG

ss.DNA59820    542
GACCCGCTACATCAGCACGGAGCTGGGCATCAGGCAGAGGCTGCTGGTGGCGGTGCTGAC

************************************************************
P_AAC69800      61
GACCCGCTACATCAGCACGGAGCTGGGCATCAGGCAGAGGCTGCTGGTGGCGGTGCTGAC

ss.DNA59820    602
CTCTCAGACCACGCTGCCCACGCTGGGCGTGGCCGTGAACCGCACGCTGGGGCACCGGCT

************************************************************
```

BLAST RESULTS A-19

```
P_AAC69800     121
CTCTCAGACCACGCTGCCCACGCTGGGCGTGGCCGTGAACCGCACGCTGGGGCACCGGCT

ss.DNA59820    662
GGAGCGTGTGGTGTTCCTGACGGGCGCACGGGGCCGCCGGGCCCCACCTGGCATGGCAGT

************************************************************
P_AAC69800     181
GGAGCGTGTGGTGTTCCTGACGGGCGCACGGGGCCGCCGGGCCCCACCTGGCATGGCAGT

ss.DNA59820    722
GGTGACGCTGGGCGAGGAGCGACCCATTGGACACCTGCACCTGGCGCTGCGCCACCTGCT

************************************************************
P_AAC69800     241
GGTGACGCTGGGCGAGGAGCGACCCATTGGACACCTGCACCTGGCGCTGCGCCACCTGCT

ss.DNA59820    782
GGAGCAGCACGGCGACGACTTTGACTGGTTCTTCCTGGTGCCTGACACCACCTACACCGA

************************************************************
P_AAC69800     301
GGAGCAGCACGGCGACGACTTTGACTGGTTCTTCCTGGTGCCTGACACCACCTACACCGA

ss.DNA59820    842
GGCGCACGGCCTGGCACGCCTAACTGGCCACCTCAGCCTGGCCTCCGCCGCCCACCTGTA

************************************************************
P_AAC69800     361
GGCGCACGGCCTGGCACGCCTAACTGGCCACCTCAGCCTGGCCTCCGCCGCCCACCTGTA

ss.DNA59820    902
CCTGGGCCGGCCCCAGGACTTCATCGGCGGAGAGCCCACCCCCGGCCGCTACTGCCACGG

************************************************************
P_AAC69800     421
CCTGGGCCGGCCCCAGGACTTCATCGGCGGAGAGCCCACCCCCGGCCGCTACTGCCACGG

ss.DNA59820    962
AGGCTTTGGGGTGCTGCTGTCGCGCATGCTGCTGCAACAACTGCGCCCCCACCTGGAAGG

************************************************************
P_AAC69800     481
AGGCTTTGGGGTGCTGCTGTCGCGCATGCTGCTGCAACAACTGCGCCCCCACCTGGAAGG

ss.DNA59820   1022
CTGCCGCAACGACATCGTCAGTGCGCGCCCTGACGAGTGGCTGGGTCGCTGCATTCTCGA

************************************************************
P_AAC69800     541
CTGCCGCAACGACATCGTCAGTGCGCGCCCTGACGAGTGGCTGGGTCGCTGCATTCTCGA

ss.DNA59820   1082
TGCCACCGGGGTGGGCTGCACTGGTGACCACGAGGGGGTGCACTATAGCCATCTGGAGCT

************************************************************
P_AAC69800     601
TGCCACCGGGGTGGGCTGCACTGGTGACCACGAGGGGGTGCACTATAGCCATCTGGAGCT

ss.DNA59820   1142
GAGCCCTGGGGAGCCAGTGCAGGAGGGGGACCCTCATTTCCGAAGTGCCCTGACAGCCCA
```

BLAST RESULT A-10

```
************************************************************
P_AAC69800     661
GAGCCCTGGGGAGCCAGTGCAGGAGGGGGACCCTCATTTCCGAAGTGCCCTGACAGCCCA

ss.DNA59820  1202
CCCTGTGCGTGACCCTGTGCACATGTACCAGCTGCACAAAGCTTTCGCCCGAGCTGAACT

************************************************************
P_AAC69800     721
CCCTGTGCGTGACCCTGTGCACATGTACCAGCTGCACAAAGCTTTCGCCCGAGCTGAACT

ss.DNA59820  1262
GGAACGCACGTACCAGGAGATCCAGGAGTTACAGTGGGAGATCCAGAATACCAGCCATCT

************************************************************
P_AAC69800     781
GGAACGCACGTACCAGGAGATCCAGGAGTTACAGTGGGAGATCCAGAATACCAGCCATCT

ss.DNA59820  1322
GGCCGTTGATGGGGACCGGGCAGCTGCTTGGCCCGTGGGTATTCCAGCACCATCCCGCCC

************************************************************
P_AAC69800     841
GGCCGTTGATGGGGACCGGGCAGCTGCTTGGCCCGTGGGTATTCCAGCACCATCCCGCCC

ss.DNA59820  1382
GGCCTCCCGCTTTGAGGTGCTGCGCTGGGACTACTTCACGGAGCAGCACGCTTTCTCCTG
                  **********************************************
***********
P_AAC69800     901
GGCCTCCCGCTTTGAGGTGCTGCGCTGGGACTACTTCACGGAGCAGCATGCTTTCTCCTG

ss.DNA59820  1442
CGCCGATGGCTCACCCCGCTGCCCACTGCGTGGGGCTGACCGGGCTGATGTGGCCGATGT

************************************************************
P_AAC69800     961
CGCCGATGGCTCACCCCGCTGCCCACTGCGTGGGGCTGACCGGGCTGATGTGGCCGATGT

ss.DNA59820  1502
TCTGGGGACAGCTCTAGAGGAGCTGAACCGCCGCTACCACCCGGCCTTGCGGCTCCAGAA

************************************************************
P_AAC69800    1021
TCTGGGGACAGCTCTAGAGGAGCTGAACCGCCGCTACCACCCGGCCTTGCGGCTCCAGAA

ss.DNA59820  1562
GCAGCAGCTGGTGAATGGCTACCGACGCTTTGATCCGGCCCGGGGTATGGAATACACGCT

************************************************************
P_AAC69800    1081
GCAGCAGCTGGTGAATGGCTACCGACGCTTTGATCCGGCCCGGGGTATGGAATACACGCT

ss.DNA59820  1622
GGACTTGCAGCTGGAGGCACTGACCCCCCAGGGAGGCCGCCGGCCCCTCACTCGCCGAGT

************************************************************
P_AAC69800    1141
GGACTTGCAGCTGGAGGCACTGACCCCCCAGGGAGGCCGCCGGCCCCTCACTCGCCGAGT
```

BLAST RESULTS A-71

```
ss.DNA59820  1682
GCAGCTGCTCCGGCCGCTGAGCCGCGTGGAGATCTTGCCTGTGCCCTATGTCACTGAGGC

************************************************************
P_AAC69800   1201
GCAGCTGCTCCGGCCGCTGAGCCGCGTGGAGATCTTGCCTGTGCCCTATGTCACTGAGGC

ss.DNA59820  1742
CTCACGTCTCACTGTGCTGCTGCCTCTAGCTGCGGCTGAGCGTGACCTGGCCCCTGGCTT

************************************************************
P_AAC69800   1261
CTCACGTCTCACTGTGCTGCTGCCTCTAGCTGCGGCTGAGCGTGACCTGGCCCCTGGCTT

ss.DNA59820  1802
CTTGGAGGCCTTTGCCACTGCAGCACTGGAGCCTGGTGATGCTGCGGCAGCCCTGACCCT

************************************************************
P_AAC69800   1321
CTTGGAGGCCTTTGCCACTGCAGCACTGGAGCCTGGTGATGCTGCGGCAGCCCTGACCCT

ss.DNA59820  1862
GCTGCTACTGTATGAGCCGCGCCAGGCCCAGCGCGTGGCCCATGCAGATGTCTTCGCACC

************************************************************
P_AAC69800   1381
GCTGCTACTGTATGAGCCGCGCCAGGCCCAGCGCGTGGCCCATGCAGATGTCTTCGCACC

ss.DNA59820  1922
TGTCAAGGCCCACGTGGCAGAGCTGGAGCGGCGTTTCCCCGGTGCCCGGGTGCCATGGCT
                     ***********
*********************************************
P_AAC69800   1441
TGTCAAGGCCCATGTGGCAGAGCTGGAGCGGCGTTTCCCCGGTGCCCGGGTGCCATGGCT

ss.DNA59820  1982
CAGTGTGCAGACAGCCGCACCCTCACCACTGCGCCTCATGGATCTACTCTCCAAGAAGCA
                     ******************************
*****************************
P_AAC69800   1501
CAGTGTGCAGACAGCCGCACCCTCACCACTACGCCTCATGGATCTACTCTCCAAGAAGCA

ss.DNA59820  2042
CCCGCTGGACACACTGTTCCTGCTGGCCGGGCCAGACACGGTGCTCACGCCTGACTTCCT

************************************************************
P_AAC69800   1561
CCCGCTGGACACACTGTTCCTGCTGGCCGGGCCAGACACGGTGCTCACGCCTGACTTCCT

ss.DNA59820  2102
GAACCGCTGCCGCATGCATGCCATCTCCGGCTGGCAGGCCTTCTTTCCCATGCATTTCCA

************************************************************
P_AAC69800   1621
GAACCGCTGCCGCATGCATGCCATCTCCGGCTGGCAGGCCTTCTTTCCCATGCATTTCCA

ss.DNA59820  2162
AGCCTTCCACCCAGGTGTGGCCCCACCACAAGGGCCTGGGCCCCCAGAGCTGGGCCGTGA
                     **************
*********************************************
P_AAC69800   1681
```

BLAST RESULTS A-22

```
AGCCTTCCACCCAGCTGTGGCCCCACCACAAGGGCCTGGGCCCCCAGAGCTGGGCCGTGA

ss.DNA59820  2222
CACTGGCCGCTTTGATCGCCAGGCAGCCAGCGAGGCCTGCTTCTACAACTCCGACTACGT

************************************************************
P_AAC69800   1741
CACTGGCCGCTTTGATCGCCAGGCAGCCAGCGAGGCCTGCTTCTACAACTCCGACTACGT

ss.DNA59820  2282
GGCAGCCCGTGGGCGCCTGGCGGCAGCCTCAGAACAAGAAGAGGAGCTGCTGGAGAGCCT

************************************************************
P_AAC69800   1801
GGCAGCCCGTGGGCGCCTGGCGGCAGCCTCAGAACAAGAAGAGGAGCTGCTGGAGAGCCT

ss.DNA59820  2342
GGATGTGTACGAGCTGTTCCTCCACTTCTCCAGTCTGCATGTGCTGCGGGCGGTGGAGCC

************************************************************
P_AAC69800   1861
GGATGTGTACGAGCTGTTCCTCCACTTCTCCAGTCTGCATGTGCTGCGGGCGGTGGAGCC

ss.DNA59820  2402
GGCGCTGCTGCAGCGCTACCGGGCCCAGACGTGCAGCGCGAGGCTCAGTGAGGACCTGTA

************************************************************
P_AAC69800   1921
GGCGCTGCTGCAGCGCTACCGGGCCCAGACGTGCAGCGCGAGGCTCAGTGAGGACCTGTA

ss.DNA59820  2462
CCACCGCTGCCTCCAGAGCGTGCTTGAGGGCCTCGGCTCCCGAACCCAGCTGGCCATGCT

************************************************************
P_AAC69800   1981
CCACCGCTGCCTCCAGAGCGTGCTTGAGGGCCTCGGCTCCCGAACCCAGCTGGCCATGCT

ss.DNA59820  2522
ACTCTTTGAACAGGAGCAGGGCAACAGCACCTGACCCCACCCTGTCCCCGTGGGCCGTGG

************************************************************
P_AAC69800   2041
ACTCTTTGAACAGGAGCAGGGCAACAGCACCTGACCCCACCCTGTCCCCGTGGGCCGTGG

ss.DNA59820  2582
CATGGCCACACCCCACCCCACTTCTCCCCCAAAACCAGAGCCACCTGCCAGCCTCGCTGG

************************************************************
P_AAC69800   2101
CATGGCCACACCCCACCCCACTTCTCCCCCAAAACCAGAGCCACCTGCCAGCCTCGCTGG

ss.DNA59820  2642
GCAGGGCTGGCCGTAGCCAGACCCCAAGCTGGCCCACTGGTCCCCTCTCTGGCTCTGTGG

************************************************************
P_AAC69800   2161
GCAGGGCTGGCCGTAGCCAGACCCCAAGCTGGCCCACTGGTCCCCTCTCTGGCTCTGTGG

ss.DNA59820  2702
GTCCCTGGGCTCTGGACAAGCACTGGGGGACGTGCCCCCAGAGCCACCCACTTCTCATCC
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BLAST ORFs VITS A-23

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**************************************************************
P_AAC69800    2221
GTCCCTGGGCTCTGGACAAGCACTGGGGGACGTGCCCCCAGAGCCACCCACTTCTCATCC

ss.DNA59820   2762
CAAACCCAGTTTCCCTGCCCCCTGACGCTGCTGATTCGGGCTGTGGCCTCCACGTATTTA

**************************************************************
P_AAC69800    2281
CAAACCCAGTTTCCCTGCCCCCTGACGCTGCTGATTCGGGCTGTGGCCTCCACGTATTTA

ss.DNA59820   2822
TGCAGTACAGTCTGCCTGACGCCAGCCCTGCCTCTGGGCCCTGGGGGCTGGGCTGTAGAA

**************************************************************
P_AAC69800    2341
TGCAGTACAGTCTGCCTGACGCCAGCCCTGCCTCTGGGCCCTGGGGGCTGGGCTGTAGAA

ss.DNA59820   2882
GAGTTGTTGGGGAAGGAGGGAGCTGAGGAGGGGGCATCTCCCAACTTCTCCCTTTTGGAC

**************************************************************
P_AAC69800    2401
GAGTTGTTGGGGAAGGAGGGAGCTGAGGAGGGGGCATCTCCCAACTTCTCCCTTTTGGAC

ss.DNA59820   2942 CCTGCCGAAGCTCCCTGCCTTTAATAAACTGGCCAAGTGTGGAAAAA
                   ****************************************** *****
P_AAC69800    2461 CCTGCCGAAGCTCCCTGCCTTTAATAAACTGGCCAAGTGTGAAAAAA
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(B)

BLAST RESULTS B-1

Wed Nov 21 09:32:25 2001 [BLASTP 2.2.1 [Jul-12-2001], NCBI]
/home/ruby/va/Molbio/ca[illegible]/tempblast/p1.DNA59820.nc (775 aa)

Sequences producing High-scoring Segment Pairs:		Score	Match	Pct	E-val
1 P_AAB65252	Human PRO1281 (UNQ651) protein sequence S	4074	775	100	0.0
2 P_AAY66729	Membrane-bound protein PRO1281 - Homo sap	4074	775	100	0.0
3 P_AAB24078	Human PRO1281 protein sequence SEQ ID NO:	4074	775	100	0.0

>1 P_AAB65252 Human PRO1281 (UNQ651) protein sequence SEQ ID NO:326 - Homo (775 aa) [1 seg]
Score = 4074 (1573 bits), Expect = 0.0
Identities = 775/775 (100%), Positives = 775/775 (100%), at 1,1-775,775

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DNA59820.nc     1 MRASLLLSVLRPAGPVAVGISLGFTLSLLSVTWVEEPCGPGPPQPGDSELPPRGNTNAAR
                  ************************************************************
 P_AAB65252     1 MRASLLLSVLRPAGPVAVGISLGFTLSLLSVTWVEEPCGPGPPQPGDSELPPRGNTNAAR

DNA59820.nc    61 RPNSVQPGAEREKPGAGEGAGENWEPRVLPYHPAQPGQAAKKAVRTRYISTELGIRQRLL
                  ************************************************************
 P_AAB65252    61 RPNSVQPGAEREKPGAGEGAGENWEPRVLPYHPAQPGQAAKKAVRTRYISTELGIRQRLL

DNA59820.nc   121 VAVLTSQTTLPTLGVAVNRTLGHRLERVVFLTGARGRRAPPGMAVVTLGEERPIGHLHLA
                  ************************************************************
 P_AAB65252   121 VAVLTSQTTLPTLGVAVNRTLGHRLERVVFLTGARGRRAPPGMAVVTLGEERPIGHLHLA

DNA59820.nc   181 LRHLLEQHGDDFDWFFLVPDTTYTEAHGLARLTGHLSLASAAHLYLGRPQDFIGGEPTPG
                  ************************************************************
 P_AAB65252   181 LRHLLEQHGDDFDWFFLVPDTTYTEAHGLARLTGHLSLASAAHLYLGRPQDFIGGEPTPG

DNA59820.nc   241 RYCHGGFGVLLSRMLLQQLRPHLEGCRNDIVSARPDEWLGRCILDATGVGCTGDHEGVHY
                  ************************************************************
 P_AAB65252   241 RYCHGGFGVLLSRMLLQQLRPHLEGCRNDIVSARPDEWLGRCILDATGVGCTGDHEGVHY

DNA59820.nc   301 SHLELSPGEPVQEGDPHFRSALTAHPVRDPVHMYQLHKAFARAELERTYQEIQELQWEIQ
                  ************************************************************
 P_AAB65252   301 SHLELSPGEPVQEGDPHFRSALTAHPVRDPVHMYQLHKAFARAELERTYQEIQELQWEIQ

DNA59820.nc   361 NTSHLAVDGDRAAAWPVGIPAPSRPASRFEVLRWDYFTEQHAFSCADGSPRCPLRGADRA
                  ************************************************************
 P_AAB65252   361 NTSHLAVDGDRAAAWPVGIPAPSRPASRFEVLRWDYFTEQHAFSCADGSPRCPLRGADRA

DNA59820.nc   421 DVADVLGTALEELNRRYHPALRLQKQQLVNGYRRFDPARGMEYTLDLQLEALTPQGGRRP
                  ************************************************************
 P_AAB65252   421 DVADVLGTALEELNRRYHPALRLQKQQLVNGYRRFDPARGMEYTLDLQLEALTPQGGRRP

DNA59820.nc   481 LTRRVQLLRPLSRVEILPVPYVTEASRLTVLLPLAAAERDLAPGFLEAFATAALEPGDAA
                  ************************************************************
 P_AAB65252   481 LTRRVQLLRPLSRVEILPVPYVTEASRLTVLLPLAAAERDLAPGFLEAFATAALEPGDAA

                  ************************************************************
 P_AAB65252   541 AALTLLLLYEPRQAQRVAHADVFAPVKAHVAELERRFPGARVPWLSVQTAAPSPLRLMDL

DNA59820.nc   601 LSKKHPLDTLFLLAGPDTVLTPDFLNRCRMHAISGWQAFFPMHFQAFHPGVAPPQGPGPP
                  ************************************************************
 P_AAB65252   601 LSKKHPLDTLFLLAGPDTVLTPDFLNRCRMHAISGWQAFFPMHFQAFHPGVAPPQGPGPP
```

BLAST RESULTS 8-2

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DNA59820.nc   661 ELGRDTGRFDRQAASEACFYNSDYVAARGRLAAASEQEEELLESLDVYELFLHFSSLHVL
                  ************************************************************
 P_AAB65252   661 ELGRDTGRFDRQAASEACFYNSDYVAARGRLAAASEQEEELLESLDVYELFLHFSSLHVL

DNA59820.nc   721 RAVEPALLQRYRAQTCSARLSEDLYHRCLQSVLEGLGSRTQLAMLLFEQEQGNST
                  ******************************************************
 P_AAB65252   721 RAVEPALLQRYRAQTCSARLSEDLYHRCLQSVLEGLGSRTQLAMLLFEQEQGNST

>2 P_AAY66729 Membrane-bound protein PRO1281 - Homo sapiens. (775 aa) [1 seg]
 Score = 4074 (1573 bits), Expect = 0.0
 Identities = 775/775 (100%), Positives = 775/775 (100%), at 1,1-775,775

DNA59820.nc     1 MRASLLLSVLRPAGPVAVGISLGFTLSLLSVTWVEEPCGPGPPQPGDSELPPRGNTNAAR
                  ************************************************************
 P_AAY66729     1 MRASLLLSVLRPAGPVAVGISLGFTLSLLSVTWVEEPCGPGPPQPGDSELPPRGNTNAAR

DNA59820.nc    61 RPNSVQPGAEREKPGAGEGAGENWEPRVLPYHPAQPGQAAKKAVRTRYISTELGIRQRLL
                  ************************************************************
 P_AAY66729    61 RPNSVQPGAEREKPGAGEGAGENWEPRVLPYHPAQPGQAAKKAVRTRYISTELGIRQRLL

DNA59820.nc   121 VAVLTSQTTLPTLGVAVNRTLGHRLERVVFLTGARGRRAPPGMAVVTLGEERPIGHLHLA
                  ************************************************************
 P_AAY66729   121 VAVLTSQTTLPTLGVAVNRTLGHRLERVVFLTGARGRRAPPGMAVVTLGEERPIGHLHLA

DNA59820.nc   181 LRHLLEQHGDDFDWFFLVPDTTYTEAHGLARLTGHLSLASAAHLYLGRPQDFIGGEPTPG
                  ************************************************************
 P_AAY66729   181 LRHLLEQHGDDFDWFFLVPDTTYTEAHGLARLTGHLSLASAAHLYLGRPQDFIGGEPTPG

DNA59820.nc   241 RYCHGGFGVLLSRMLLQQLRPHLEGCRNDIVSARPDEWLGRCILDATGVGCTGDHEGVHY
                  ************************************************************
 P_AAY66729   241 RYCHGGFGVLLSRMLLQQLRPHLEGCRNDIVSARPDEWLGRCILDATGVGCTGDHEGVHY

DNA59820.nc   301 SHLELSPGEPVQEGDPHFRSALTAHPVRDPVHMYQLHKAFARAELERTYQEIQELQWEIQ
                  ************************************************************
 P_AAY66729   301 SHLELSPGEPVQEGDPHFRSALTAHPVRDPVHMYQLHKAFARAELERTYQEIQELQWEIQ

DNA59820.nc   361 NTSHLAVDGDRAAAWPVGIPAPSRPASRFEVLRWDYFTEQHAFSCADGSPRCPLRGADRA
                  ************************************************************
 P_AAY66729   361 NTSHLAVDGDRAAAWPVGIPAPSRPASRFEVLRWDYFTEQHAFSCADGSPRCPLRGADRA

DNA59820.nc   421 DVADVLGTALEELNRRYHPALRLQKQQLVNGYRRFDPARGMEYTLDLQLEALTPQGGRRP
                  ************************************************************
 P_AAY66729   421 DVADVLGTALEELNRRYHPALRLQKQQLVNGYRRFDPARGMEYTLDLQLEALTPQGGRRP

DNA59820.nc   481 LTRRVQLLRPLSRVEILPVPYVTEASRLTVLLPLAAAERDLAPGFLEAFATAALEPGDAA
                  ************************************************************
 P_AAY66729   481 LTRRVQLLRPLSRVEILPVPYVTEASRLTVLLPLAAAERDLAPGFLEAFATAALEPGDAA

DNA59820.nc   541 AALTLLLLYEPRQAQRVAHADVFAPVKAHVAELERRFPGARVPWLSVQTAAPSPLRLMDL
                  ************************************************************
 P_AAY66729   541 AALTLLLLYEPRQAQRVAHADVFAPVKAHVAELERRFPGARVPWLSVQTAAPSPLRLMDL

DNA59820.nc   601 LSKKHPLDTLFLLAGPDTVLTPDFLNRCRMHAISGWQAFFPMHFQAFHPGVAPPQGPGPP
                  ************************************************************
 P_AAY66729   601 LSKKHPLDTLFLLAGPDTVLTPDFLNRCRMHAISGWQAFFPMHFQAFHPGVAPPQGPGPP
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BLAST RESULTS B-3

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DNA59820.nc   661 ELGRDTGRFDRQAASEACFYNSDYVAARGRLAAASEQEEELLESLDVYELFLHFSSLHVL
                  ************************************************************
 P_AAY66729   661 ELGRDTGRFDRQAASEACFYNSDYVAARGRLAAASEQEEELLESLDVYELFLHFSSLHVL

DNA59820.nc   721 RAVEPALLQRYRAQTCSARLSEDLYHRCLQSVLEGLGSRTQLAMLLFEQEQGNST
                  ***********************************************************
 P_AAY66729   721 RAVEPALLQRYRAQTCSARLSEDLYHRCLQSVLEGLGSRTQLAMLLFEQEQGNST

>3 P_AAB24078 Human PRO1281 protein sequence SEQ ID NO:57 - Homo sapiens. (775
aa) [1 seg]
 Score = 4074 (1573 bits), Expect = 0.0
 Identities = 775/775 (100%), Positives = 775/775 (100%), at 1,1-775,775

DNA59820.nc     1 MRASLLLSVLRPAGPVAVGISLGFTLSLLSVTWVEEPCGPGPPQPGDSELPPRGNTNAAR
                  ************************************************************
 P_AAB24078     1 MRASLLLSVLRPAGPVAVGISLGFTLSLLSVTWVEEPCGPGPPQPGDSELPPRGNTNAAR

DNA59820.nc    61 RPNSVQPGAEREKPGAGEGAGENWEPRVLPYHPAQPGQAAKKAVRTRYISTELGIRQRLL
                  ************************************************************
 P_AAB24078    61 RPNSVQPGAEREKPGAGEGAGENWEPRVLPYHPAQPGQAAKKAVRTRYISTELGIRQRLL

DNA59820.nc   121 VAVLTSQTTLPTLGVAVNRTLGHRLERVVFLTGARGRRAPPGMAVVTLGEERPIGHLHLA
                  ************************************************************
 P_AAB24078   121 VAVLTSQTTLPTLGVAVNRTLGHRLERVVFLTGARGRRAPPGMAVVTLGEERPIGHLHLA

DNA59820.nc   181 LRHLLEQHGDDFDWFFLVPDTTYTEAHGLARLTGHLSLASAAHLYLGRPQDFIGGEPTPG
                  ************************************************************
 P_AAB24078   181 LRHLLEQHGDDFDWFFLVPDTTYTEAHGLARLTGHLSLASAAHLYLGRPQDFIGGEPTPG

DNA59820.nc   241 RYCHGGFGVLLSRMLLQQLRPHLEGCRNDIVSARPDEWLGRCILDATGVGCTGDHEGVHY
                  ************************************************************
 P_AAB24078   241 RYCHGGFGVLLSRMLLQQLRPHLEGCRNDIVSARPDEWLGRCILDATGVGCTGDHEGVHY

DNA59820.nc   301 SHLELSPGEPVQEGDPHFRSALTAHPVRDPVHMYQLHKAFARAELERTYQEIQELQWEIQ
                  ************************************************************
 P_AAB24078   301 SHLELSPGEPVQEGDPHFRSALTAHPVRDPVHMYQLHKAFARAELERTYQEIQELQWEIQ

DNA59820.nc   361 NTSHLAVDGDRAAAWPVGIPAPSRPASRFEVLRWDYFTEQHAFSCADGSPRCPLRGADRA
                  ************************************************************
 P_AAB24078   361 NTSHLAVDGDRAAAWPVGIPAPSRPASRFEVLRWDYFTEQHAFSCADGSPRCPLRGADRA

DNA59820.nc   421 DVADVLGTALEELNRRYHPALRLQKQQLVNGYRRFDPARGMEYTLDLQLEALTPQGGRRP
                  ************************************************************
 P_AAB24078   421 DVADVLGTALEELNRRYHPALRLQKQQLVNGYRRFDPARGMEYTLDLQLEALTPQGGRRP

DNA59820.nc   481 LTRRVQLLRPLSRVEILPVPYVTEASRLTVLLPLAAAERDLAPGFLEAFATAALEPGDAA
                  ************************************************************
 P_AAB24078   481 LTRRVQLLRPLSRVEILPVPYVTEASRLTVLLPLAAAERDLAPGFLEAFATAALEPGDAA

DNA59820.nc   541 AALTLLLLYEPRQAQRVAHADVFAPVKAHVAELERRFPGARVPWLSVQTAAPSPLRLMDL
                  ************************************************************
 P_AAB24078   541 AALTLLLLYEPRQAQRVAHADVFAPVKAHVAELERRFPGARVPWLSVQTAAPSPLRLMDL

DNA59820.nc   601 LSKKHPLDTLFLLAGPDTVLTPDFLNRCRMHAISGWQAFFPMHFQAFHPGVAPPQGPGPP
                  ************************************************************
 P_AAB24078   601 LSKKHPLDTLFLLAGPDTVLTPDFLNRCRMHAISGWQAFFPMHFQAFHPGVAPPQGPGPP
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DNA59820.nc   661 ELGRDTGRFDRQAASEACFYNSDYVAARGRLAAASEQEEELLESLDVYELFLHFSSLHVL
                  ************************************************************
 P_AAB24078   661 ELGRDTGRFDRQAASEACFYNSDYVAARGRLAAASEQEEELLESLDVYELFLHFSSLHVL

DNA59820.nc   721 RAVEPALLQRYRAQTCSARLSEDLYHRCLQSVLEGLGSRTQLAMLLFEQEQGNST
                  ***************************************************
 P_AAB24078   721 RAVEPALLQRYRAQTCSARLSEDLYHRCLQSVLEGLGSRTQLAMLLFEQEQGNST
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BLAST RESULTS 6-4